

Membrane contamination prevention in separation-concentration process

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PI	JP 56015924	B4	19810413	JP 1974-15703	19740207
AB	In sepn.-concн. processes using reverse-osmosis or ultrafiltration membranes, the liq. to be treated is fed as a gas-liq. mixed flow to the surface of the membrane. This decreases the membrane contamination. Thus, aq. 0.5% albumin soln. was passed through a reverse osmosis membrane app. under gas blowing. The aq. soln. feed rate and the gas blowing were controlled at 450 and 15 L/h, resp. The water permeation rate through the membrane was 1.05 and 0.8 m ³ /m ² day initially and after 4 h, resp.				